

**JP 2099614**

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Heat- and chemical resistant composite fibre for mfg. filter, etc. -  
comprises core component comprising polyester and polyphenylene sulphide  
and sheath component comprising polyphenylene sulphide

Patent Assignee: TEIJIN LTD (TEIJ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

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JP 2099614	A	19900411	JP 88248992	A	19881004	199021 B

Priority Applications (No Type Date): JP 88248992 A 19881004

Abstract (Basic): JP 2099614 A

Composite fibre comprises a sheath-core type composite fibre. The core component (A) comprises 90-50 pts. wt. polyester (E) and 10-50 pts. wt. polyphenylene sulphide (S) and the sheath component (B) comprises polyphenylene sulphide (S') and the composite ratio (A/B) by wt. of the core component (A) and sheath component (B) is 50/50-85/15.

The polyphenylene sulphide is mfd. by reacting anhydrous Na sulphide with polyhalogen-substd. aromatic cpd. in a polar solvent and having more than 90% of repeating unit of formula (i) and opt. contg. a polymer having repeating unit of formula (ii) and an inorganic substance.

The polyester used comprises ethylene terephthalate as a repeating unit in an amt. of more than 85% and opt. contains a third component.

USE/ADVANTAGE - Peeling properties of the core and sheath component are improved and the composite fibre has good heat- and chemical-resistance and flame resistance and is used for mfg. a filter, sewing thread and heat- and chemical-resistant clothes.

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